

<b>NWS CHANGE FORM PART A</b>			1. DATE SUBMITTED  12/2/99
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).			
2. ORIGINATOR OFFICE  PRC	3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/APO1	4. COGNIZANT TECHNICAL INDIVIDUAL Name: Donna Rhine Routing Code: PRC Phone: (703) 883-8340	5. ORIGINATOR TRACKING NUMBER  RC_PRC_01
6. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OTHER (specify) _____			7. WSH TRACKING NUMBER  <b>NWS 532</b>
8. TITLE OF CHANGE Update Performance Monitoring Parameter file to support Radar testing			
9. TYPE OF CHANGE <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY		10. SITES AFFECTED (Attach Part B, Page 2, if needed)  Government Decision. A total of 72 sites will be affected by the test. Only a select few should be chosen for this patch (See Attachment A1A for the site list).	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.)  Planned testing of Radar Clear Air Mode Data Dissemination and Ingest may have a performance impact on the system. This update will allow the performance monitoring software to separately capture the performance data for the software that will be most affected by the test.			
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.)  See Attachment 1			
13. ALTERNATE SOLUTIONS  N/A			
14. REQUIRED CHANGE DATE  10 Dec 1999	15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.)  Assuming that the radar testing begins Dec 17, the parameter file should be installed earlier to establish a baseline before the test starts.		
<b>CCB/PMC/CMB DECISION</b>			
16. DECISION AUTHORITY LEVEL	<input type="checkbox"/> CCB LEVEL ONLY		<input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED
17. CCB LEVEL DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED		SIGNATURE
			DATE SIGNED
<b>FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED</b>			
18. PMC OR NWS CMB DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		SIGNATURE
			DATE SIGNED

<b>NWS CHANGE FORM</b> <b>PART B</b>		1. ORIGINATOR TRACKING NUMBER RC_PRC_01	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER NWS 532	
<b>FUNDING INFORMATION</b>			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST
5. DEVELOPMENT COSTS (Estimate development costs) This cost is associated with Release 5.0 development and included in the Benchmark testing activities.		KMOD _____ BASE	AMOUNT \$0
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) N/A		BASE	AMOUNT \$0
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs)		KMOD _____ BASE	AMOUNT \$0
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs) N/A			AMOUNT \$0
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) The cost of installing and monitoring is covered in Product Support and Benchmarking.		KMOD _____ BASE	AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) N/A		KMOD _____	AMOUNT
<b>SUPPORTING INFORMATION AND SCHEDULES</b> Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) Dec 2, 1999, parameter file was installed and verified on TBDW.		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.) Test Install script on Silver Spring test system on Dec 7.	
12. IMPLEMENTATION/RETROFIT SCHEDULE Implementation will start on December 10, 1999 (See attachment A1A for schedule). Parameter file will also be included in next official release (R4.3).		13. FACILITY INFORMATION (Attach facility drawings/plans.) N/A	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) N/A		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED N/A	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each) N/A		17. COORDINATION OF CHANGE WITH OTHER CHANGES N/A	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.) None		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.) No recurring workload impacts.	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.) N/A		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.) None	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) None. Any monitoring of the sites as a result of the Radar test are not within the scope of this RC.			

# NWS CHANGE FORM

RC\_PRC\_01

NWS 532

[illegible]

<b>NWS CHANGE FORM</b> <b>PART C</b>		<b>1. ORIGINATOR TRACKING NUMBER</b> RC_PRC_01	
WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.		<b>2. WSH TRACKING NUMBER</b> NWS 532	
<b>3. CCB COST EVALUATION</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>NWS COST</span> <span>FAA COST \$</span> <span>DOD COST \$</span> <span>OTHER AGENCY COST \$ (SPECIFY)_____</span> <span>TOTAL COST</span> </div>			
<b>4. IMPLEMENTATION DOCUMENTS REQUIRED</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span><input type="checkbox"/> Engineering Modification Note</span> <span><input type="checkbox"/> Software Release Notes</span> <span><input type="checkbox"/> Other Document (Specify)_____</span> </div>			
ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.			
<b>5. IMPLEMENTATION ACTIVITY REQUIRED</b>	<b>6. REQUIRED COMPLETION DATE</b>	<b>7. RESPONSIBLE PERSON AND OFFICE</b>	<b>8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION</b>
<b>A. Coordinate implementation schedule with field offices through AWIPS Regional Focal Points.</b>	<b>08 Dec 1999</b>	<b>Thigpen/SST, W/APO3</b>	<b>N/A</b>
<b>B. NCF Pushes patch to Government selected sites as directed by the SST</b>	<b>10 Dec 1999</b>	<b>Vercillo/PRC</b>	<b>N/A</b>
<b>C. Execute install script at each of selected sites.</b>	<b>10 Dec 1999</b>	<b>Vercillo/PRC</b>	Use Perfview to see if appropriate resource data is being captured.
<b>D. Report completion of installation via ADM message to the NCF</b>	<b>10 Dec 1999</b>	<b>Site ESA</b>	<b>W/OSO113 Collection</b>
<b>E. Report implementation completion using NCF/SST data at AWIPS CCB meeting</b>	<b>17 Dec 1999</b>	<b>Davidson, W/OSO112</b>	<b>N/A</b>

**(Attachment 1)**  
**Item 12. Known or Proposed Solution**

**1.0 SOFTWARE CHANGES TO THE BASELINE SYSTEM**

New software added.

None.

Existing files changed/deleted.

*Replace /var/opt/perf/parm on ASs at Government selected sites.  
Attachment 2 is parm file with change in bold.*

COTS/shareware/freeware.

None.

Databases.

None

External/Internal Interfaces.

None

Install/Uninstall Instructions.

*Install instructions attached. The file will be placed into the correct directory and the measureware software will be restarted on the Application Servers.*

**3.0 RUNTIME SIGNATURE**

Processes.

*No additional processes will run on AWIPS hosts. The measureware agents that collect performance data are already running.*

Network/Communications.

None.

Data.

*No additional data storage requirements.*

#### **4.0 PERFORMANCE/SYSTEM RESOURCE USAGE ASSESSMENT**

Key Performance Points.

*None.*

Disk Space.

*None.*

Other Resources.

*None.*

#### **5.0 REFERENCES**

Documentation.

*None.*

Contact Point.

*Donna Rhine, PRC (703) 883-8340*

#### **0.0 HARDWARE CHANGE TO THE BASELINE SYSTEM**

*None.*

## NWS CHANGE FORM (Attachment 2)

```
# @(#)parm          A.10.05      10/30/95                      =*=
#
# Sample parm file for Performance Software
# edit any lines in this file as desired..

# Uncomment the "id = " line and replace "system-id" with your
# monitored system's name:
#id          = system-id

log global application process device=disk,lvm
size global = 10.0, application = 10.0, process = 20.0, device=10.0
threshold cpu = 5.0, disk = 5.0

# Please change these application definitions to suit your environment:

# This application may be appropriate for Motif environments:
#application = xwindows
#file = X*,xload,xclock,xterm,hpterm,grmd,softmsg*,vue*

# This application may be appropriate for networked environments:
application = network
file = nfs*,biод,automount,inetd,snmp*,rpc*,llbd,netfmt,portmap
file = rbootd,telnet*,ftp*,*rlogin*,remsh*,rcp,nktl*,nvsisr,ttisr
file = lcsp,gcsp,strmen,strweld,vtdaemon

# This application could be used on systems which experience memory bottlenecks
# The files used for memory management differ on different platforms.
application = memory_management
file = swapper,vhand,syncer,pageout,fsflush

# Note: this entry should be near the end of your application definitions
# should you choose to keep it because it will pick up all processes owned
# by root which were not included in preceding application definitions.
#application = other_user_root
#user = root

#####
# Below this line courtesy of Brad Lufkin, PRC, Inc. (703) 883-8382
#####

#####
# ITO
#####
application = ITO
file = opc*

#####
# other root stuff
#####
application = Value added root
file = cmcld,scopeux,midaemon,ttд,alarmgen,agdbserver,perflbd,rep_server
```

```
#####
# AS1 Decoders
#####
application = profilerDecoder
file = profilerDecoder

application = RaobDecoder
file = Raob*ecoder

application = binLightningDecoder
file = binLightningDe*

application = MetarDecoder
file = MetarDecoder

application = MaritimeDecoder
file = MaritimeDecoder

application = tStormDecoder
file = tStormDecoder

application = NWWS
file = NWWS*

application = Redbook Storage
file = Redbook*

application = LDAD_cron
file = WFOA_MSAS*,sfc*,qcs*

#####
# AS1 Notification Servers
#####
application = textNotification
file = textNotificat*

application = notification
file = notification*

application = Radar applications
file = RadarTextD*,RadarServer,RadarStorage,RadarMsg*,wfoApi,DialServer,DialRadar

application = Data Controller
file = DataCon*,CommsR*

#####
# AS2 Decoders
#####
application = GribDecoder
file = GribDecoder

application = CollDBDecoder
file = CollDBDecoder
```



```
application = StdDBDecoder
file = StdDBDecoder
```

```
#####
```

```
# AS2 Decryption
```

```
#####
```

```
application = decryption
```

```
file = acqserver, uplink_send, crypt
```

```
#####
```

```
# LAPS crons
```

```
#####
```

```
application = LAPS_cron
```

```
file = sched.pl,laps_driver.pl,LapsRadar.pl
```

```
file = lga.exe,obs_driver.x,sfc_qc.exe
```

```
file = ingest_*.exe,wind.exe,lvd_sat_ing*,laps_sfc.x,temp.exe
```

```
file = cloud.exe,lq3driver.x,deriv.exe,accum.exe,lsm5.exe,qbalpe.exe,dprep.exe
```

```
#####
```

```
# IFPS servers
```

```
#####
```

```
application = IFPS servers
```

```
file = gmodsrv,isc_srv,sirssrv,slidersrv,wwastmt_srv
```

```
#####
```

```
# FXA monitor
```

```
#####
```

```
application = fxa_monitor
```

```
file = ctrlCpu,processSumm*,ingProcM*,startCtr*,AS2_startPr*
```

```
file = MakePROCpa*,MakeSUMMp*,diskUsage*
```

```
#####
```

```
# Catch-all for all other fxa applications
```

```
#####
```

```
application = other_fxa
```

```
user = fxa
```

```
#####
```

```
# Catch-all for all www applications
```

```
#####
```

```
application = www apps
```

```
user = www
```

```
#####
```

```
# Catch-all for all other root processing
```

```
#####
```

```
application = other_root
```

```
user = root
```

```
#####
```

```
# Catch-all for all other lamp processing
```

```
#####
```

```
application = other_lamp
```

```
user = lamp
```

```
#####
```

```
# Catch-all for all other ifps processing
#####
application = other_ifps
user = ifps
#####
# Catch-all for all other ldad processing
#####
application = other_ldad
user = ldad
#####
# Catch-all for all other oper processing
#####
application = other_oper
user = oper
```